



# FEMA



Prepared by  
*Brian Hoeth*

# FEMA Region 6 Weather Threat Briefing

Monday February 15, 2021

**Disclaimer:** The purpose of this briefing is to provide a **Regional** weather threat assessment and is meant as a general overview. County/Parish decision makers should consult their local NWS forecast offices for the latest detailed, local weather information. To find your local NWS forecast office, go to [www.weather.gov/srh](http://www.weather.gov/srh).



NWSSouthern

[www.weather.gov/srh](http://www.weather.gov/srh)

# Summary of the Upcoming Week



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- **Major winter storm continues today with hazardous travel, power outage, and dangerous wind chill impacts across much of the Region.**
- **Impacts may linger for much of the week due to continued cold temperatures plus another round of wintry weather is forecast for much of the Region late Tuesday into early Thursday.**
- **Isolated severe storms may occur for SE LA on Wednesday.**

# FEMA Region 6 Threat Matrix

Feb 15, 2021 - Feb 19, 2021



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DAY / THREAT	Mon	Tue	Wed	Thu	Fri
Severe Storms			SE LA		
Heavy Rain / Flash Flooding					
Fire Weather					
Winds					
Winter Weather / Cold Temps	OK, AR, TX, LA	OK, TX, AR, LA	OK, TX, AR, LA	OK, TX, AR, LA	
River Flooding	LA, AR	LA			

	No Weather Threats Expected
	Very Common – Happens Often
	Common – Happens Frequently
	Uncommon – A Few Times a Year
	Rare – Once Every 1-5 Years
	Very Rare – Once Every 5-10 Years

*\*Threat levels are based on FEMA Region 6 criteria. State or local threat level criteria may differ.\**

*For more details on the colors in the threat matrix refer to the last slide in this briefing.*

# 5-Day Precipitation Forecast & River Flood Status

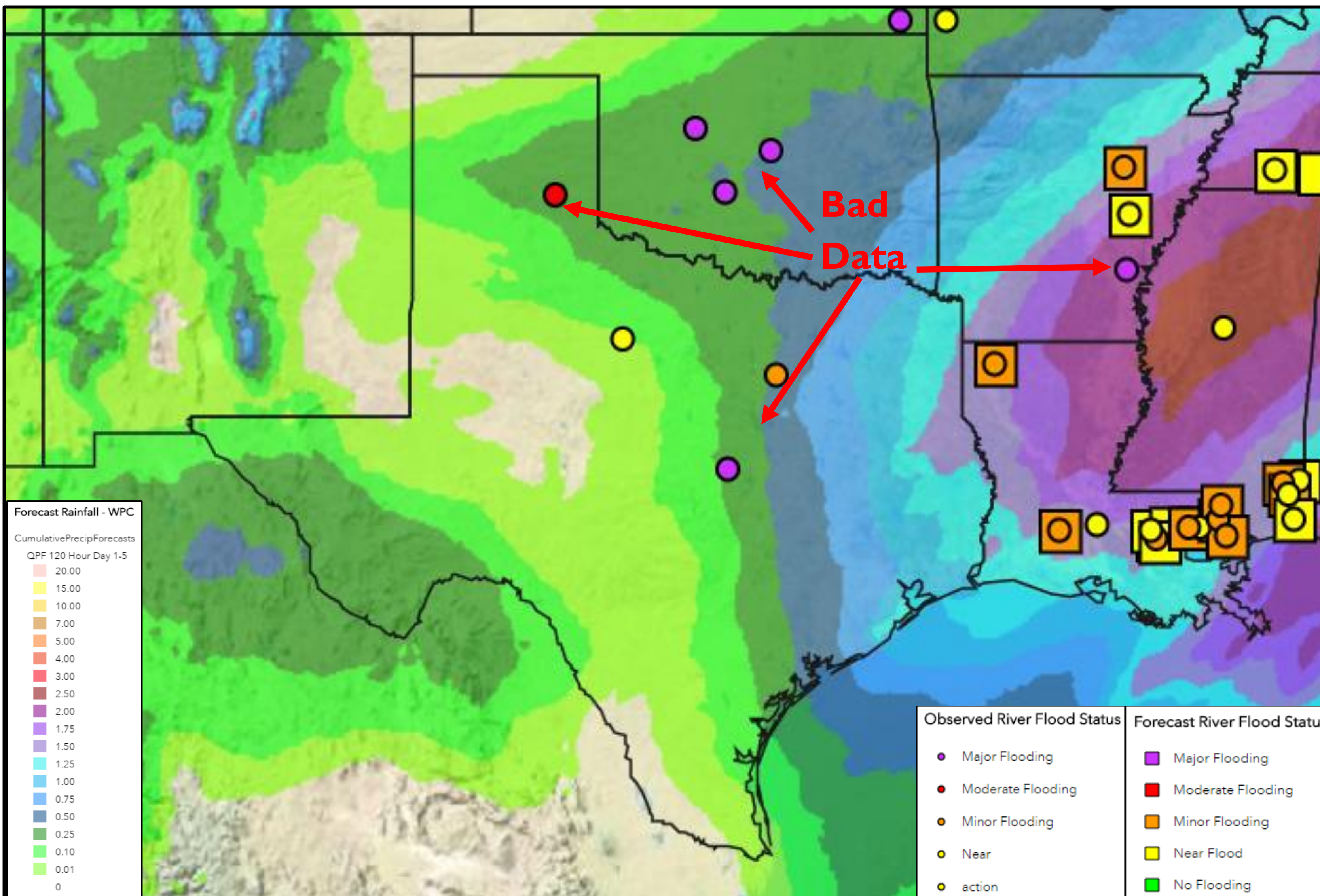


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*Note: Even though the image displays 5 days of forecasted rainfall, river forecasts only include 1-2 days of rainfall*

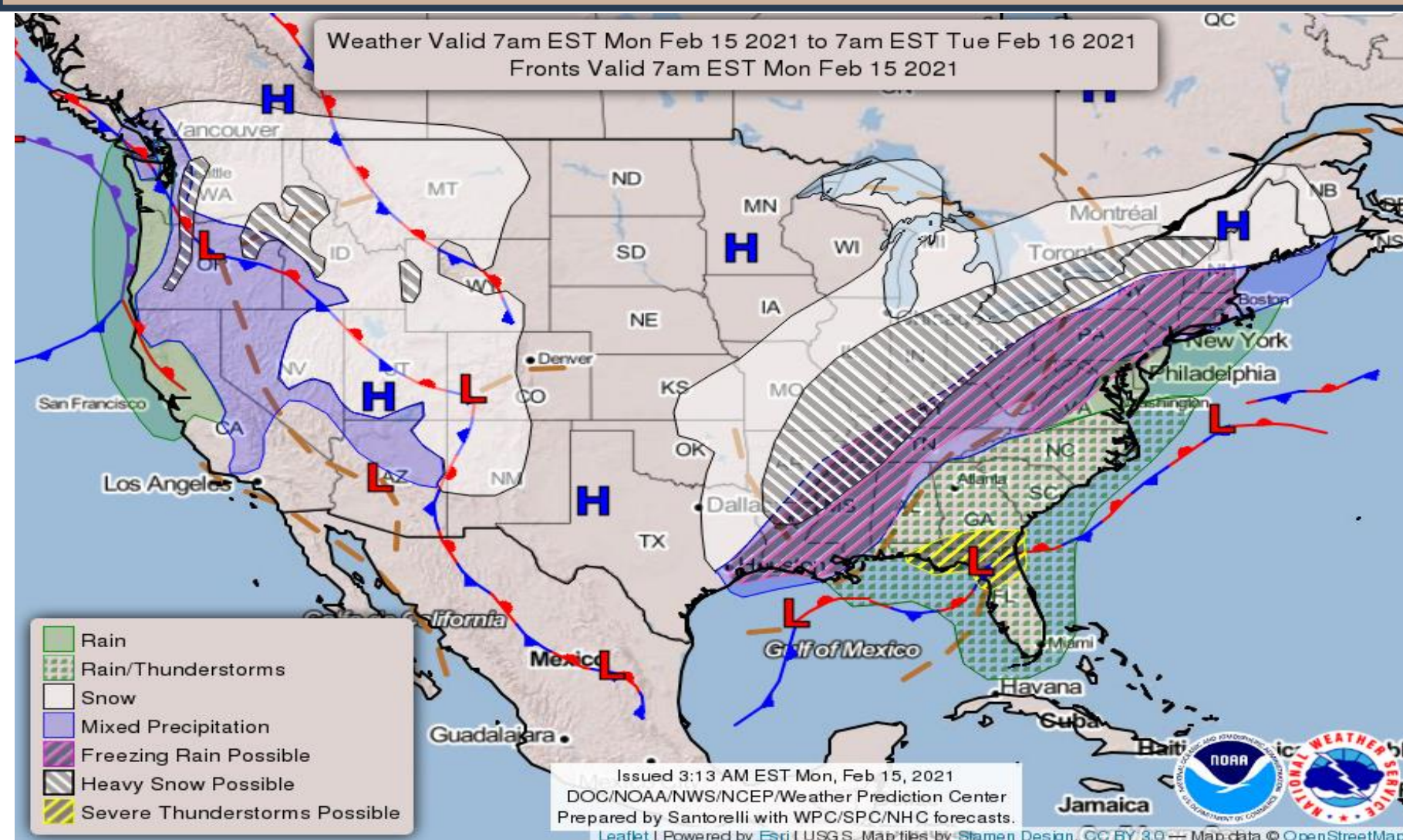
**Minor flooding is forecast to recede/drop below minor flood in AR by Tuesday and in LA by Wednesday.**

**All of the points showing moderate or major in OK, TX, and AR are bad data!  
Also the two points in N TX showing minor and near flood are bad data!**

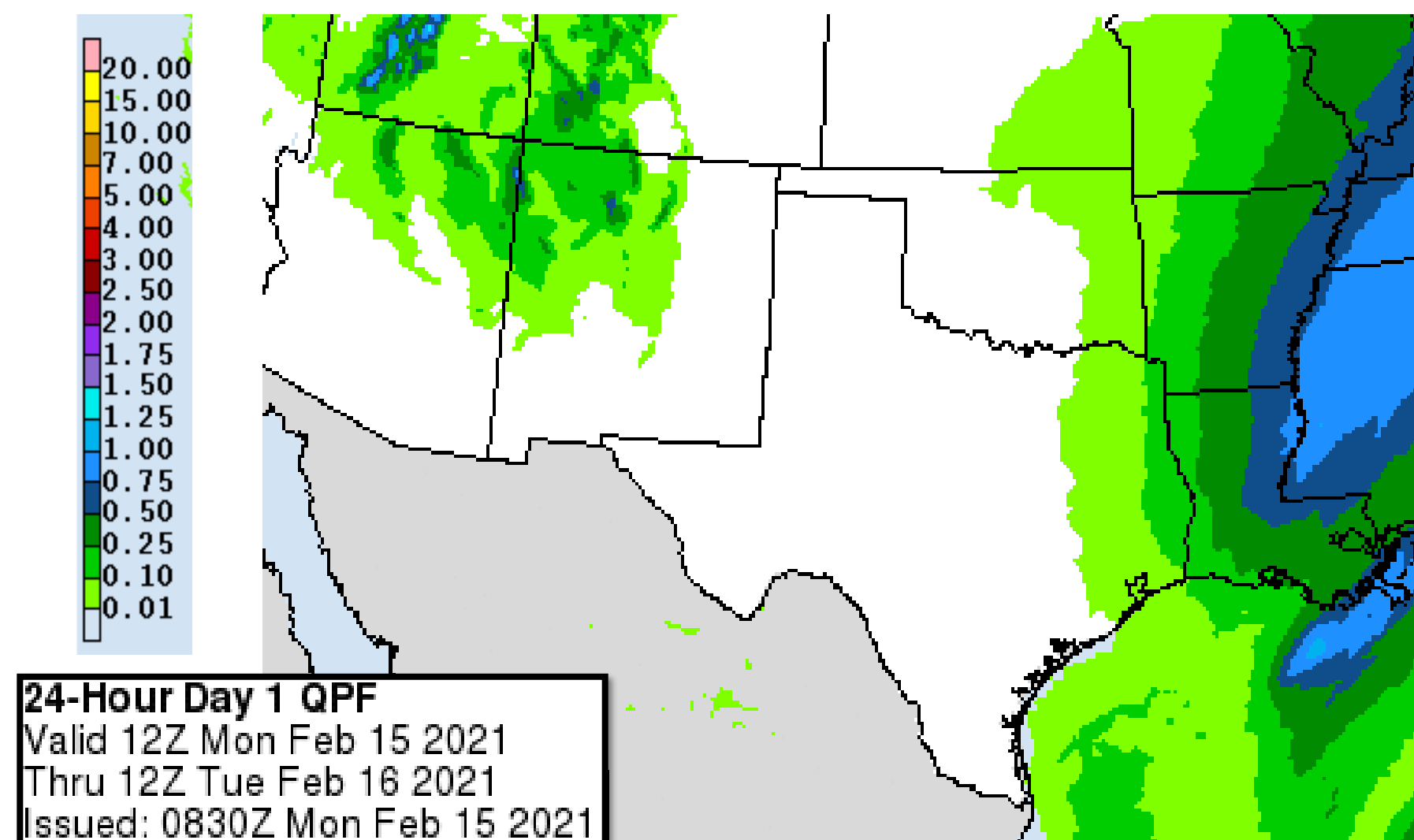


# Today's Weather

## Forecast Chart

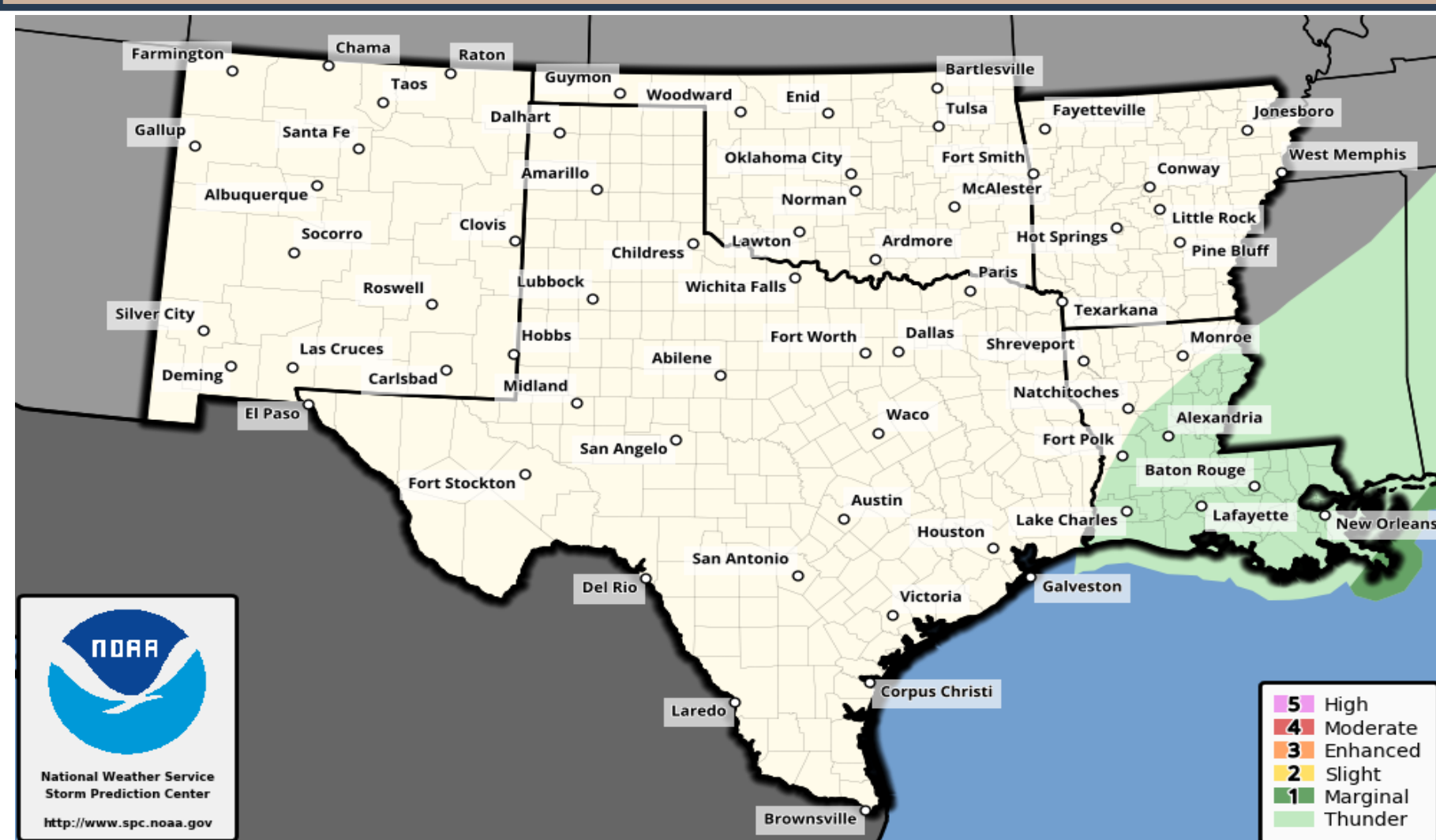


## Forecast Rainfall

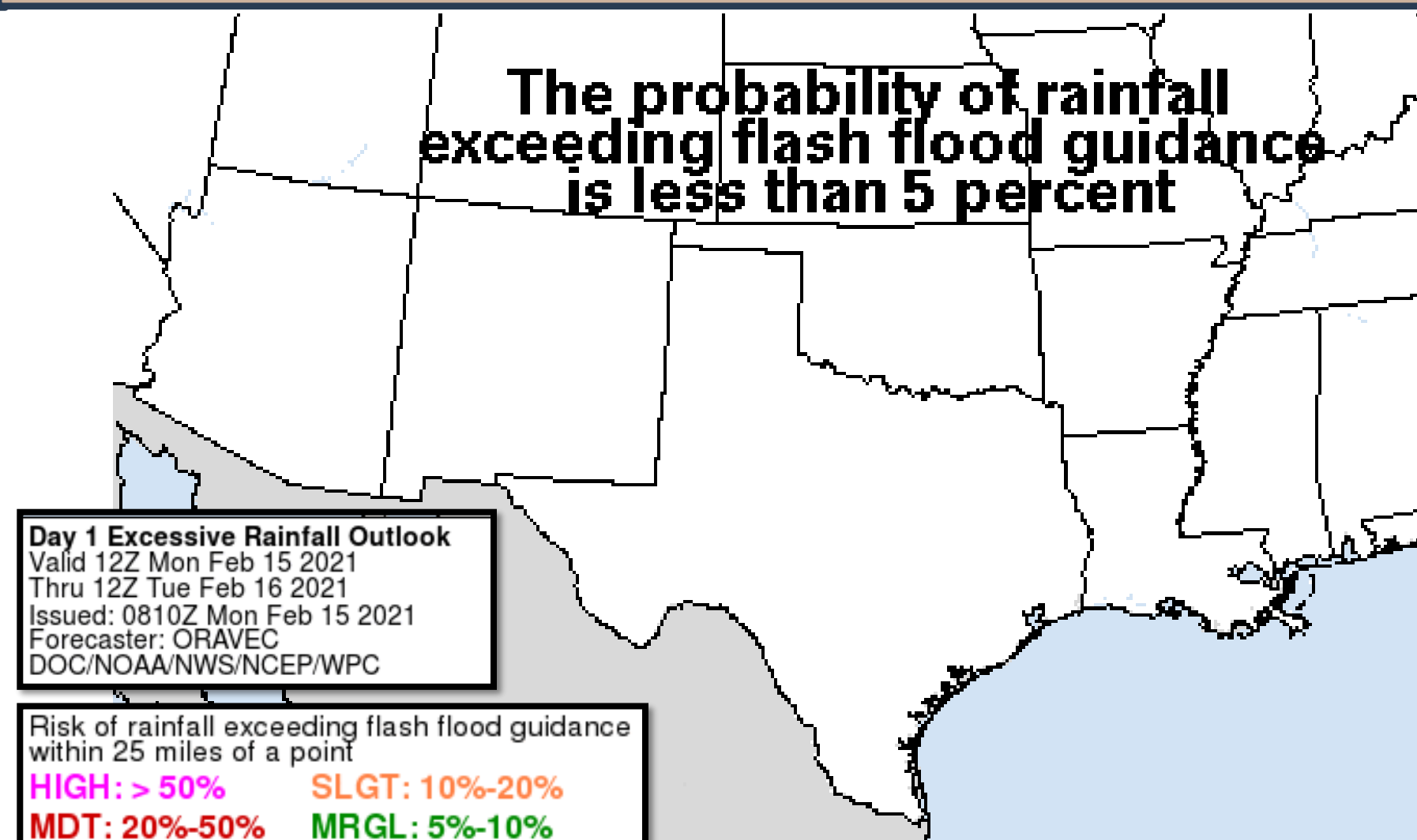


Major winter storm continues today with hazardous travel, power outage, and dangerous wind chill impacts across much of the Region.

## Severe Weather Outlook



## Excessive Rainfall Outlook



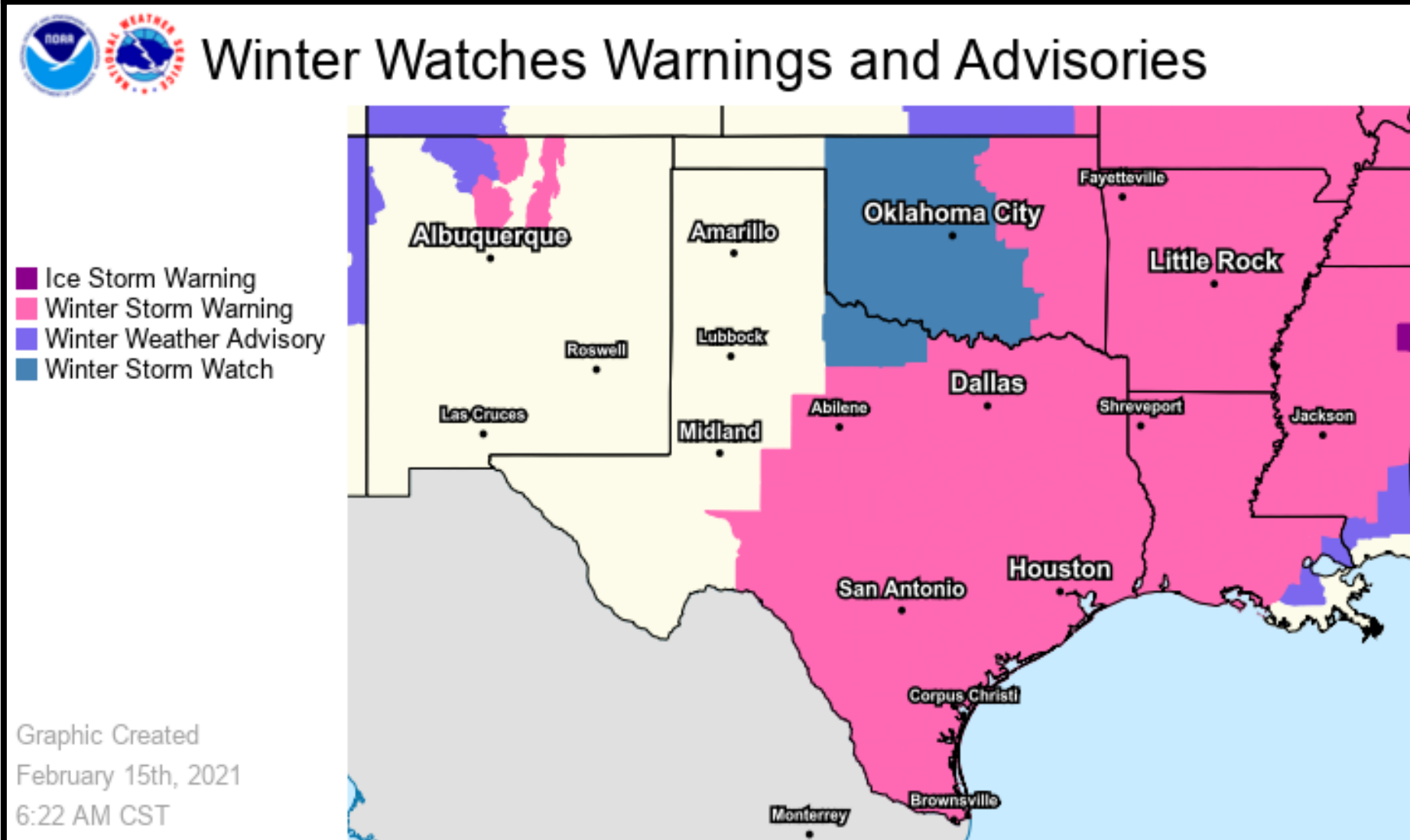
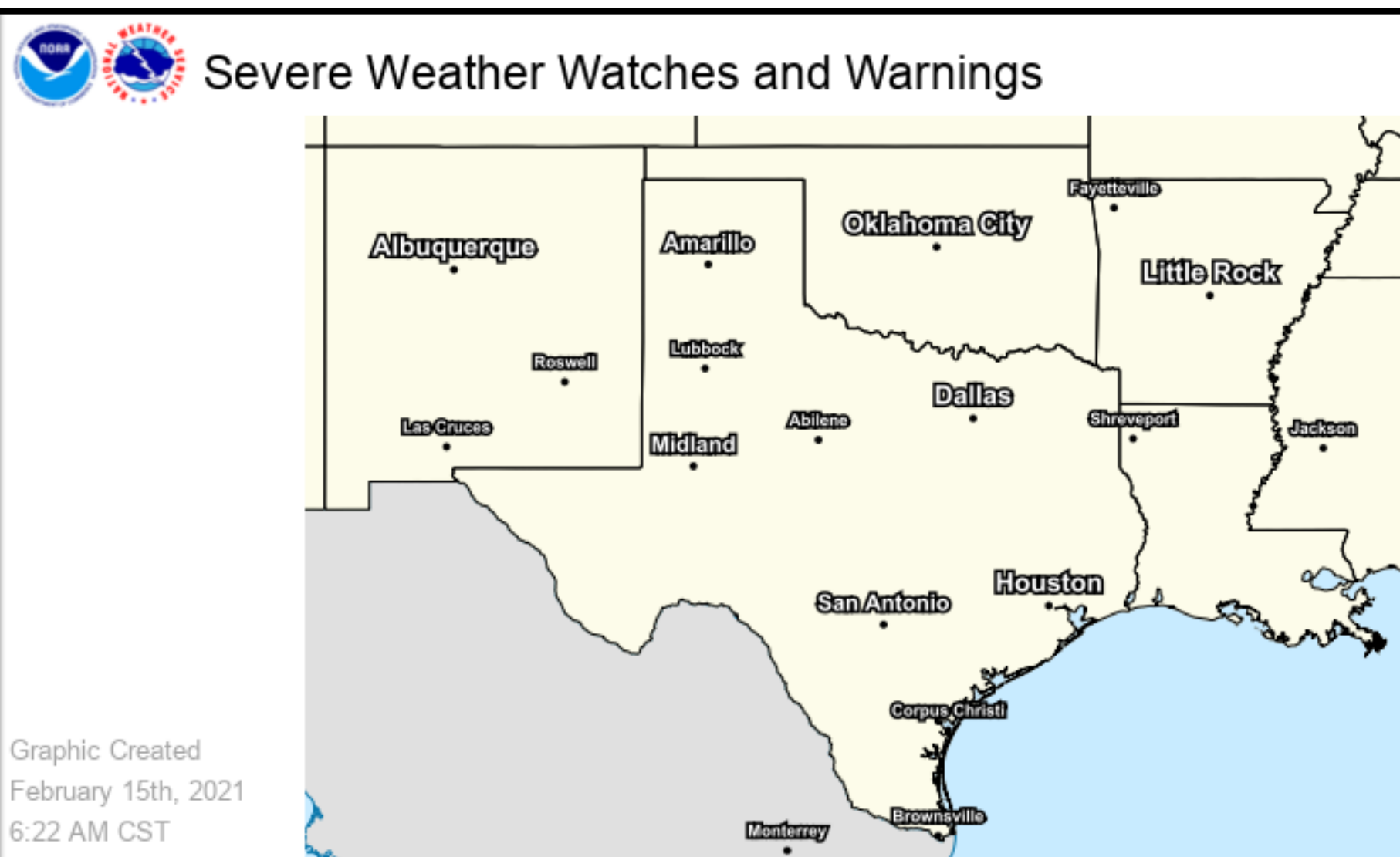
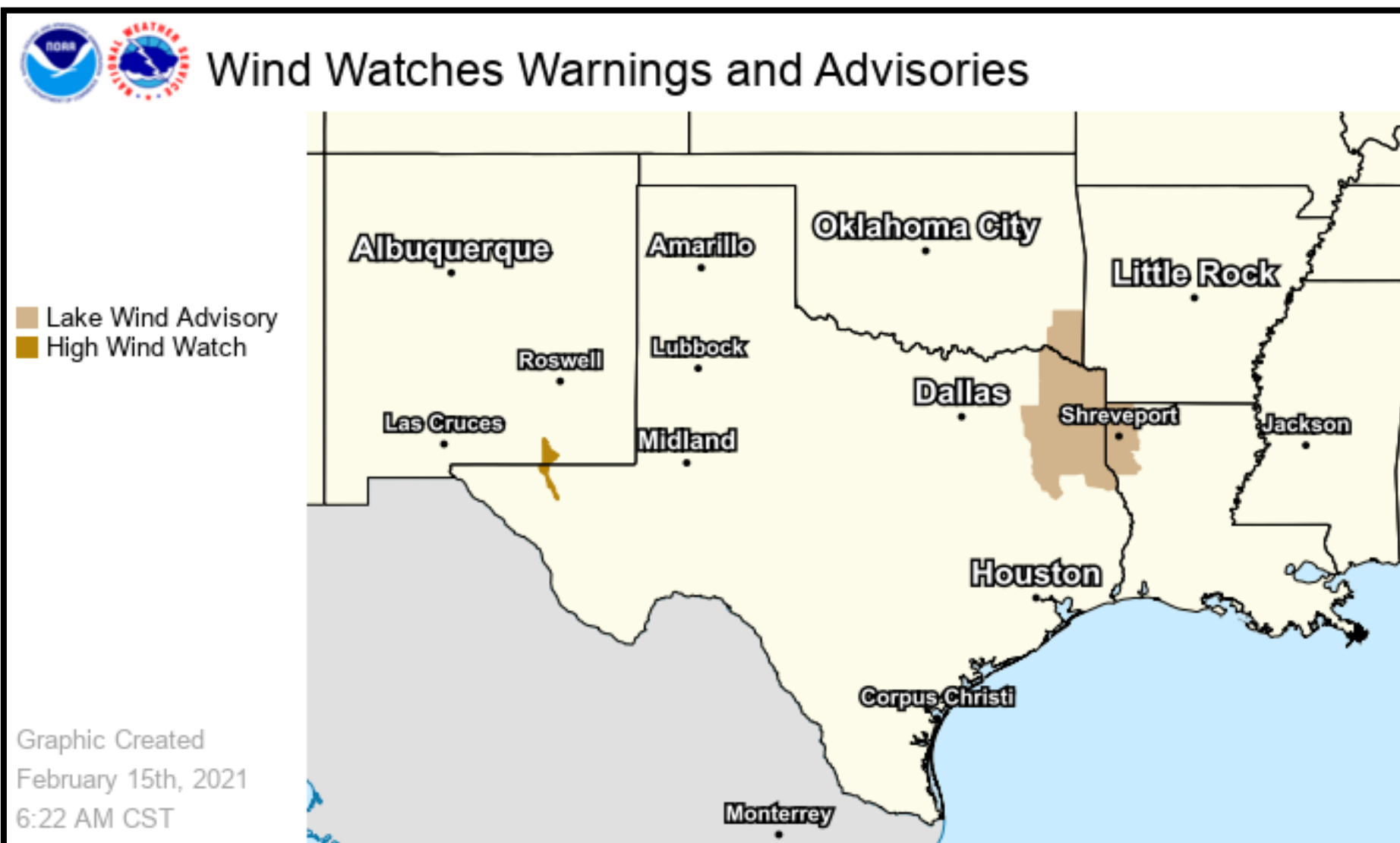
# Watches, Warnings, and Advisories

Wind, Severe, Winter, and Flood Hazards



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Winter storm warnings for much of FEMA Region 6.



# Winter Weather

Monday - Wednesday



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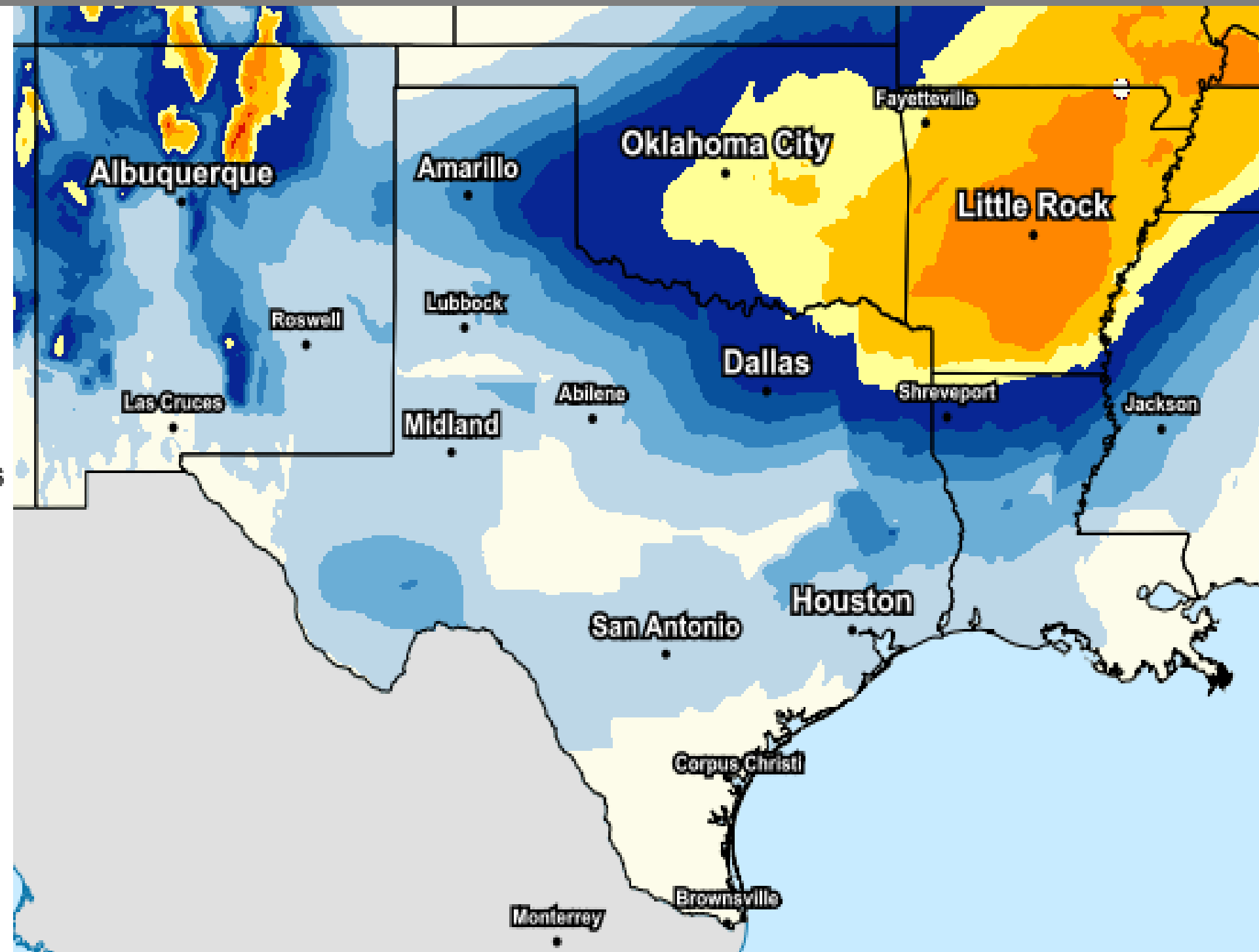
## Forecast Snow Amounts



### Forecast Snowfall

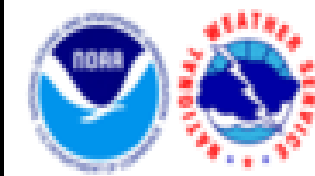
Valid Ending Thursday February 18th, 2021 at 6 AM CST

- Less than an inch
- 1 to 2 inches
- 2 to 3 inches
- 3 to 4 inches
- 4 to 6 inches
- 6 to 8 inches
- 8 to 12 inches
- 12 to 18 inches
- 18 to 24 inches
- 24 to 30 inches
- 30 to 36 inches
- Greater than 36 inches



Graphic Created  
February 15th, 2021  
6:24 AM CST

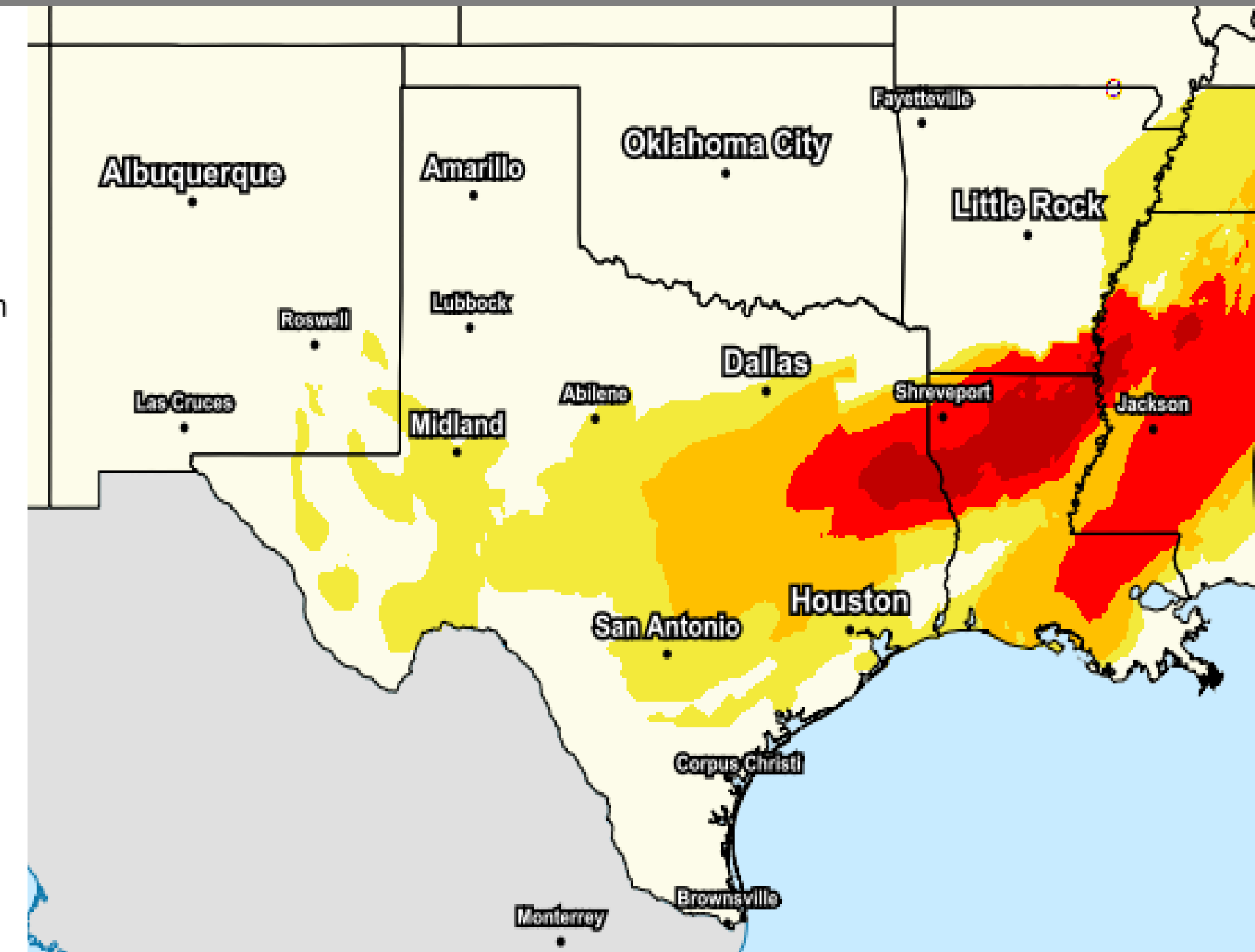
## Forecast Ice Amounts



### Ice Accumulation Forecast

Valid Ending Thursday February 18th, 2021 at 6 AM CST

- 0.01 to 0.10 inch
- 0.10 to 0.25 inch
- 0.25 to 0.50 inch
- 0.50 to 0.75 inch
- 0.75 to 1.0 inch
- 1.0 to 2.0 inch
- Greater than 2.0 inch



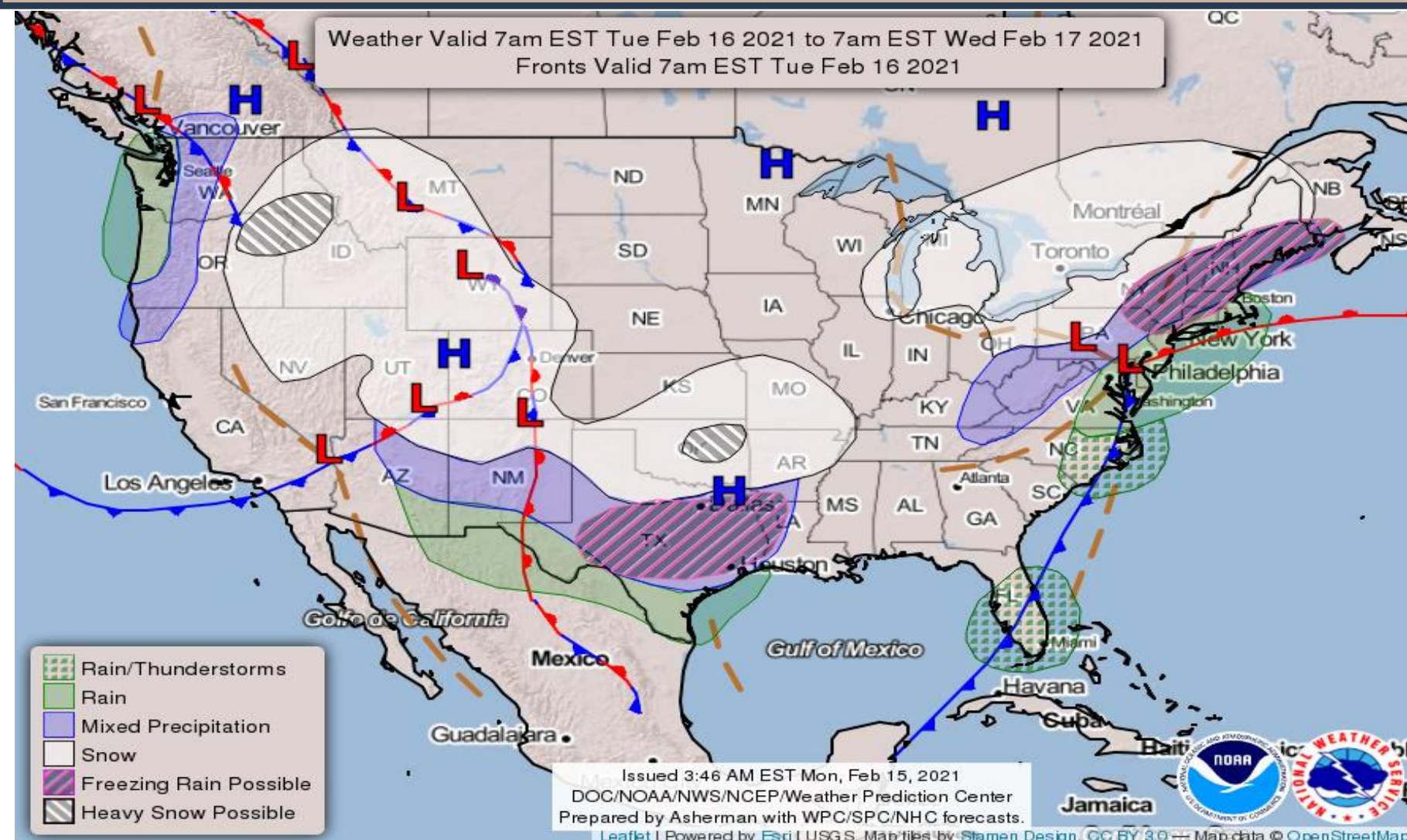
Graphic Created  
February 15th, 2021  
6:25 AM CST

# Tomorrow's Weather

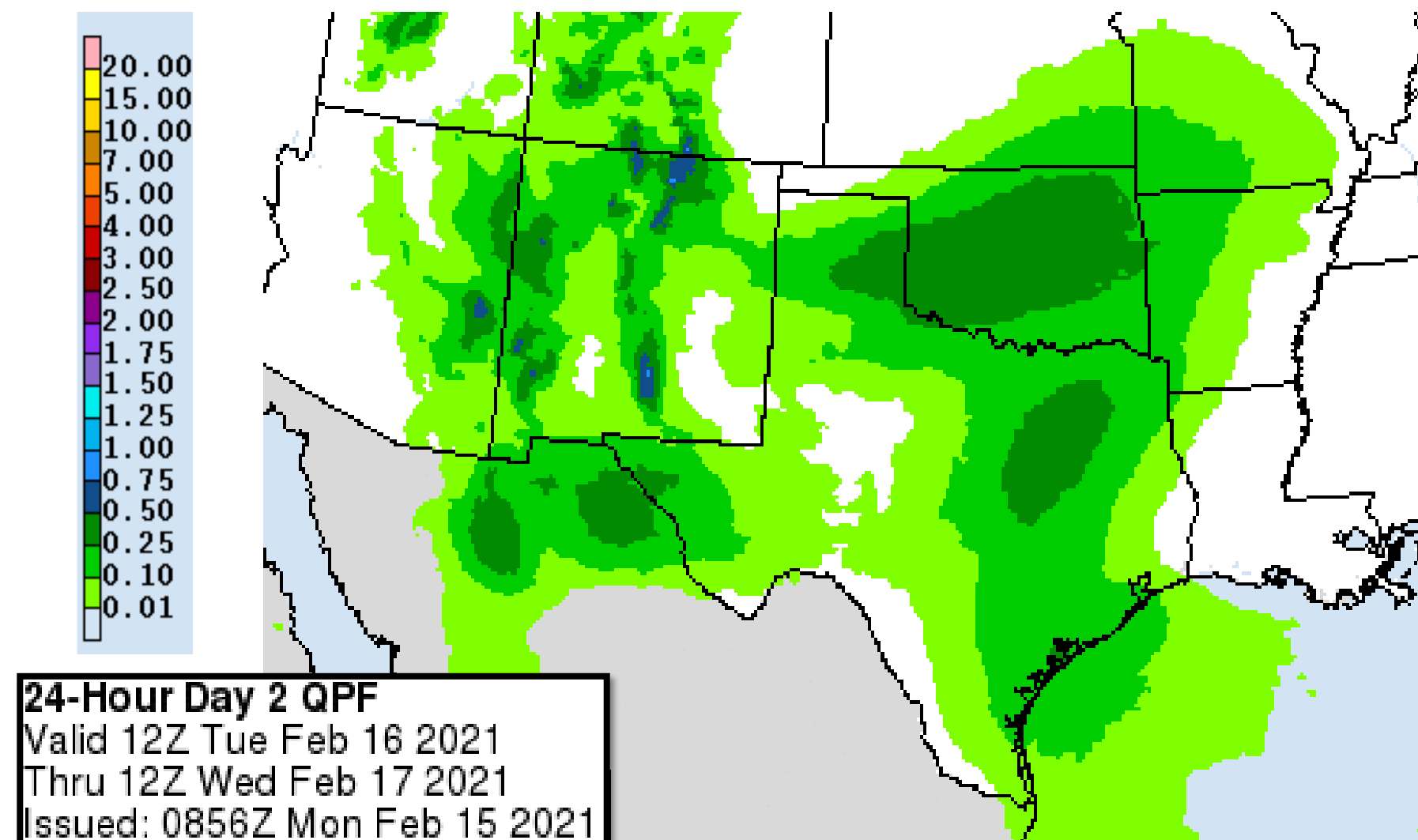


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## Forecast Chart

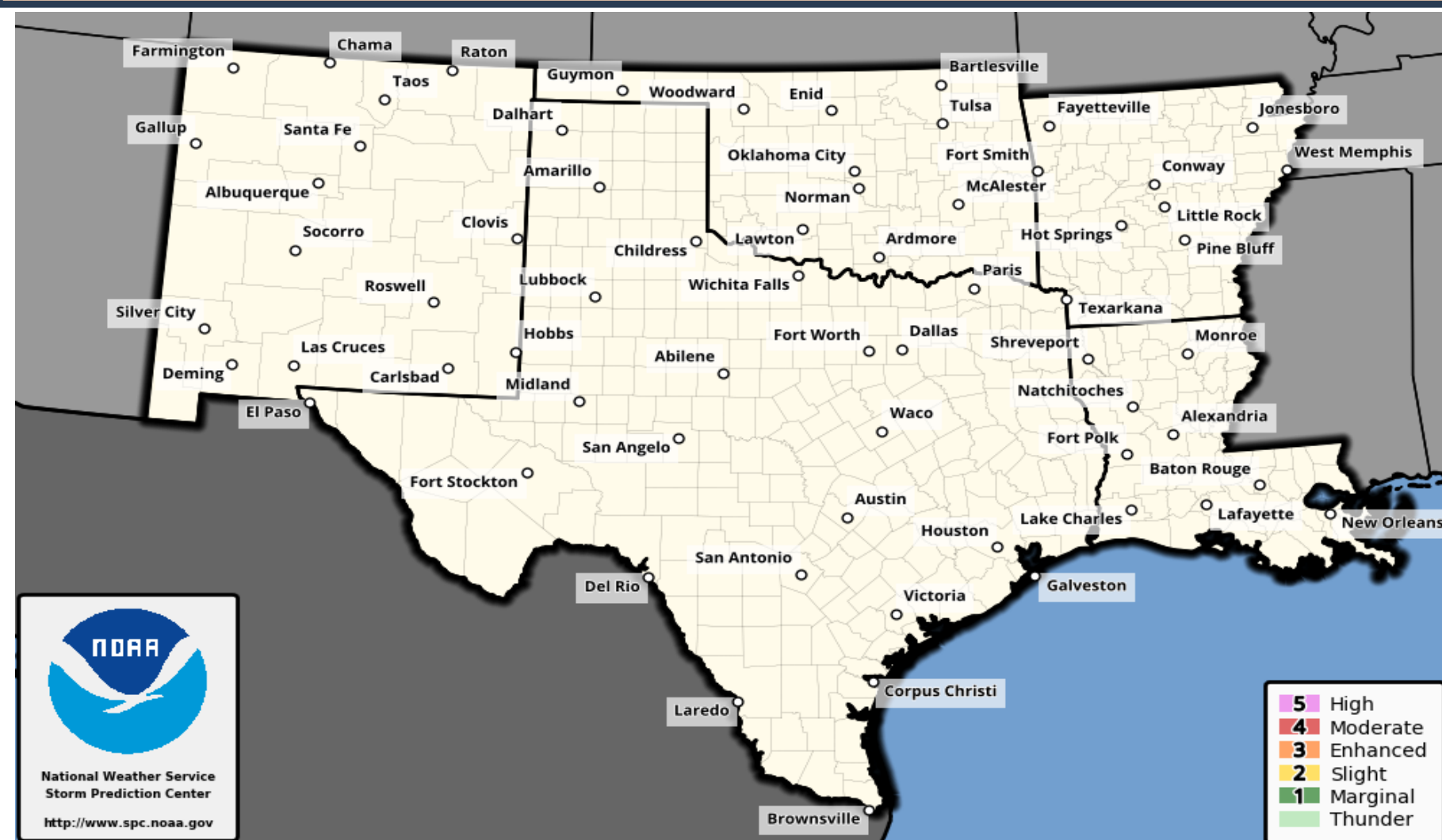


## Forecast Rainfall

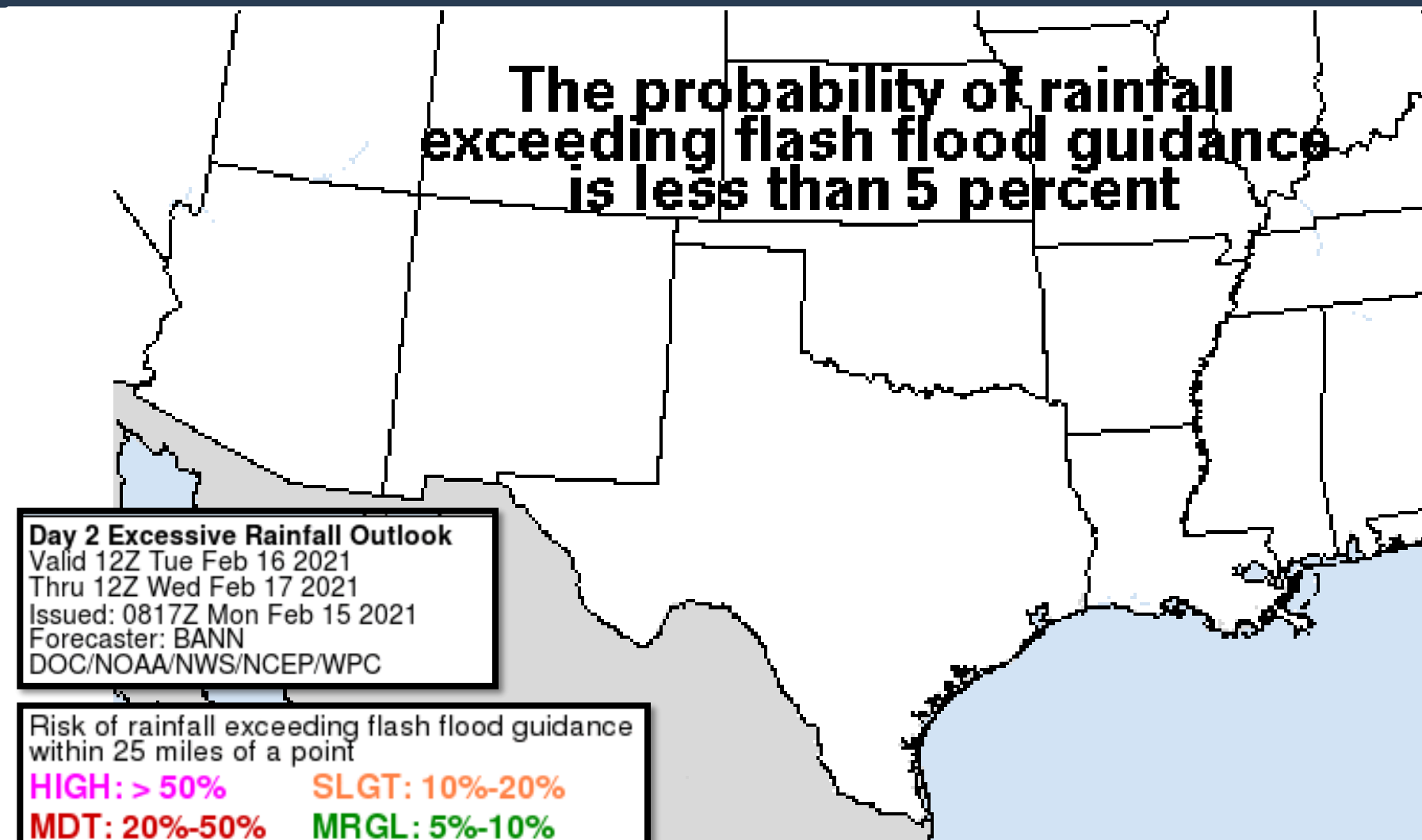


Another round of wintry weather is forecast for much of the Region beginning Tuesday afternoon/night.

## Severe Weather Outlook



## Excessive Rainfall Outlook

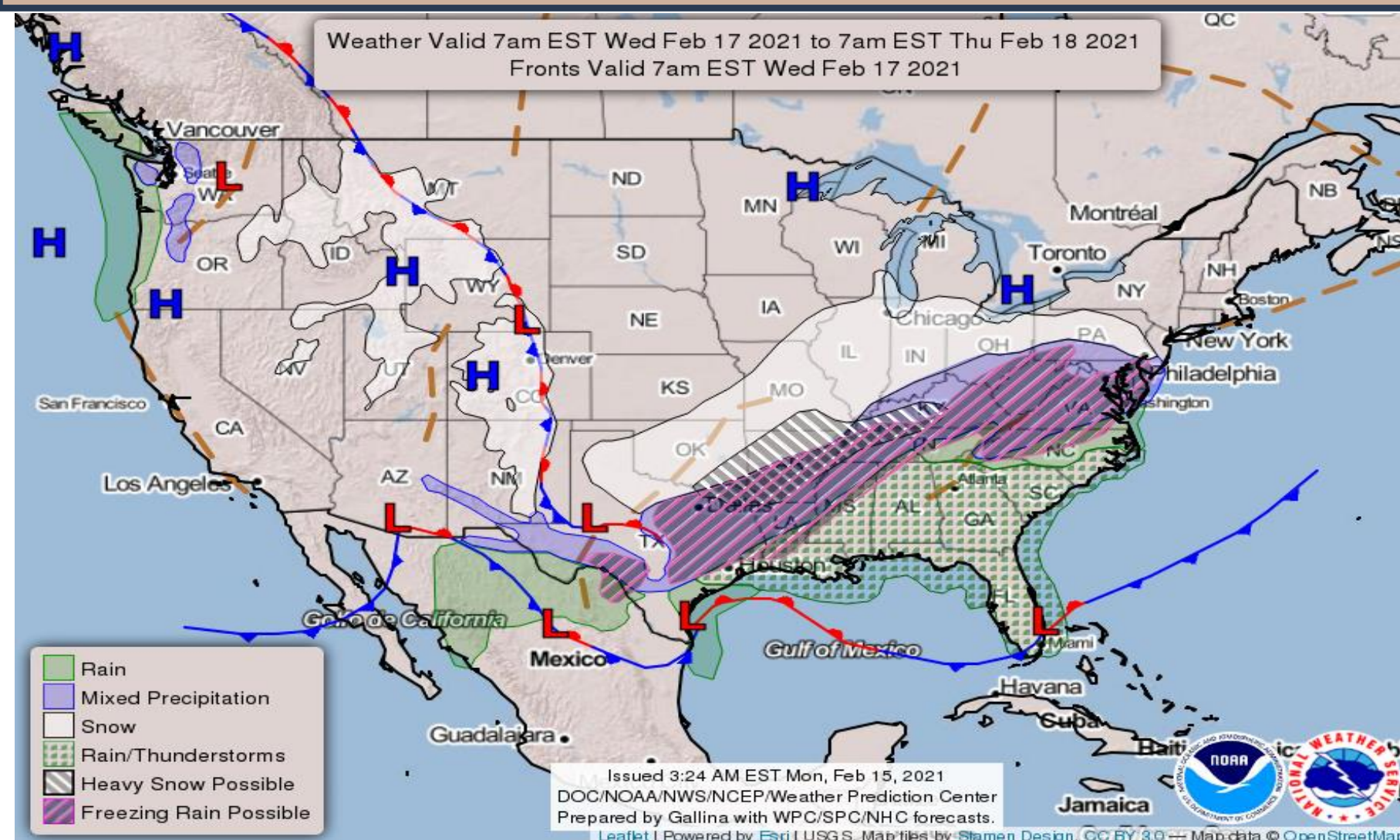


# Wednesday's Weather

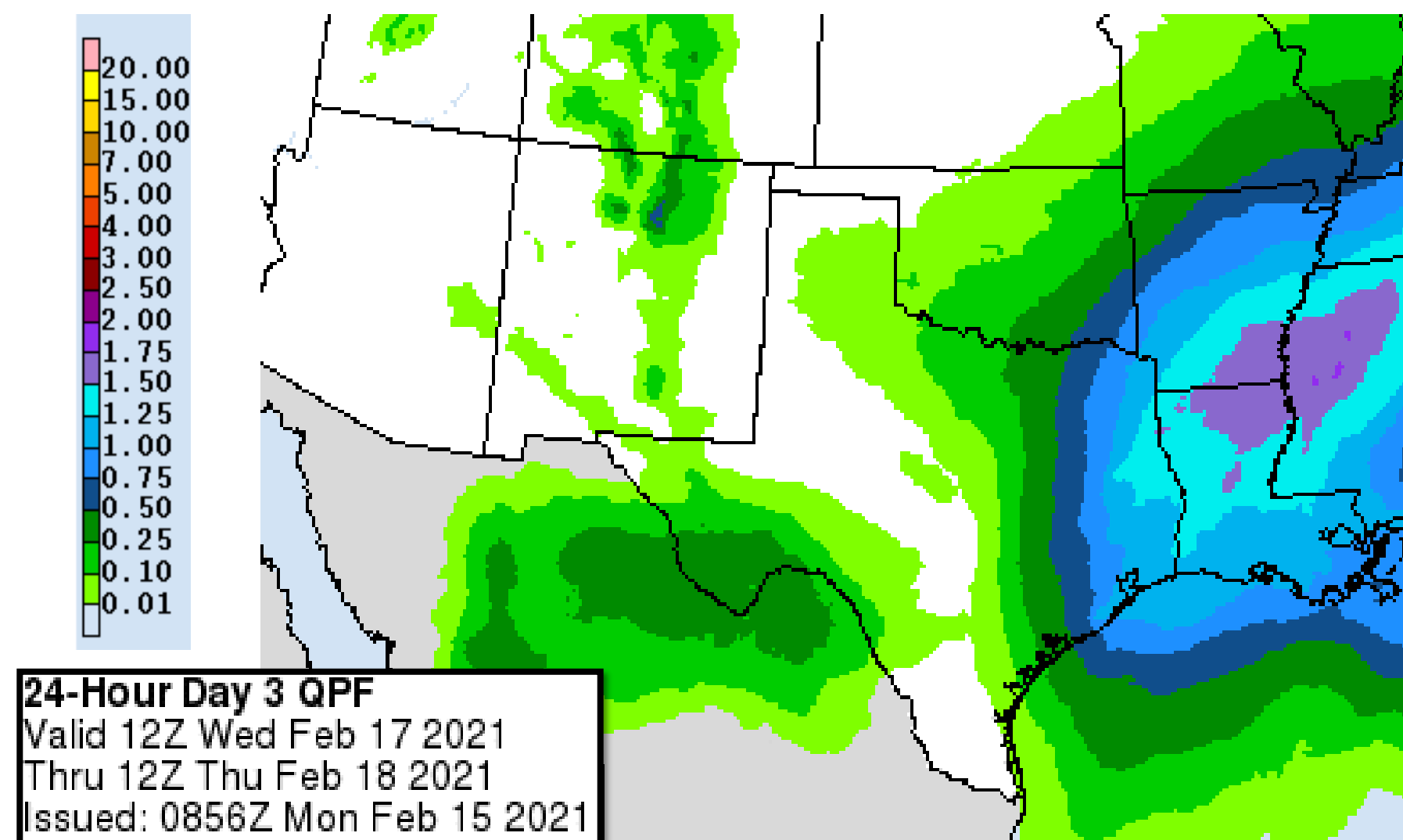


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## Forecast Chart



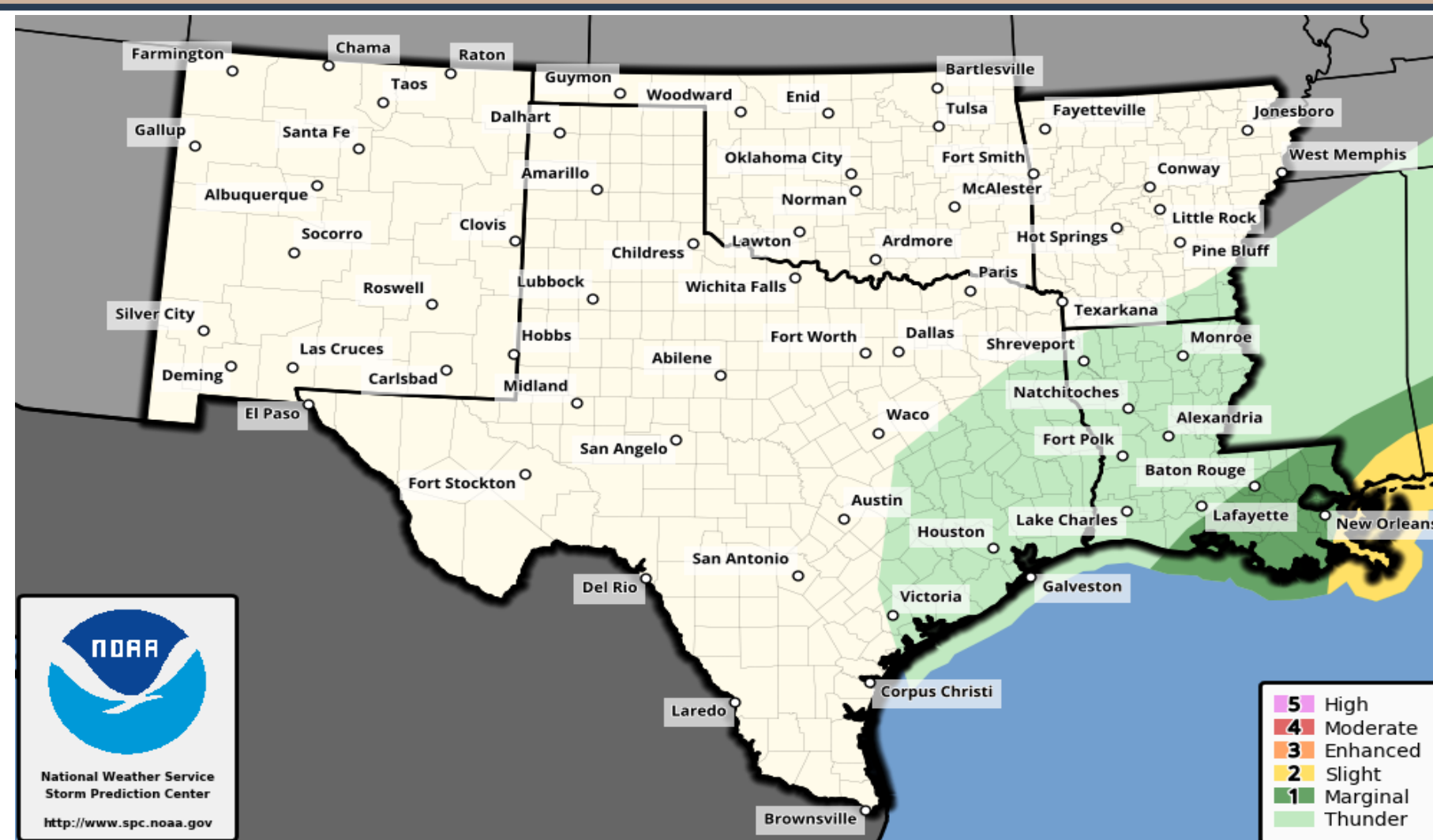
## Forecast Rainfall



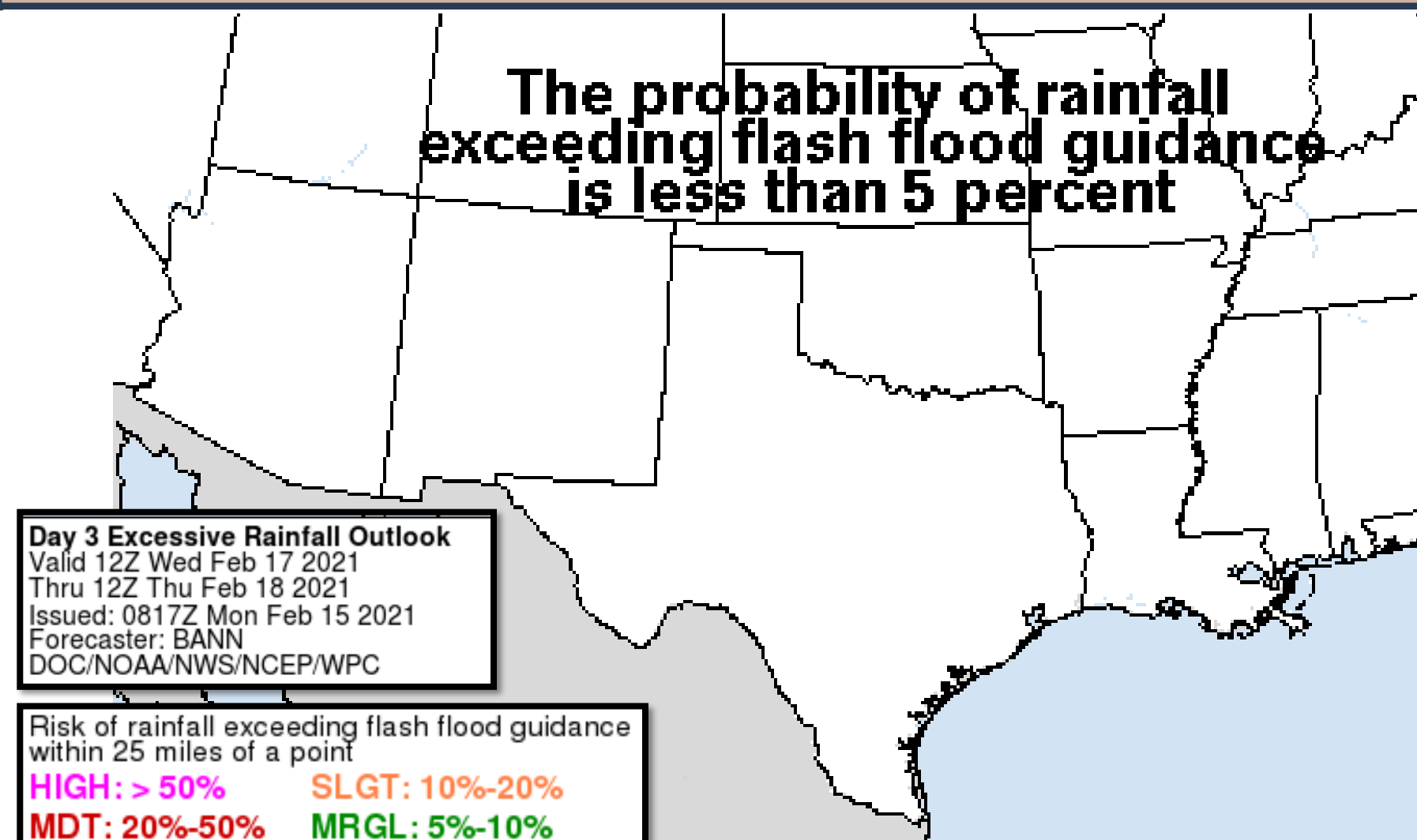
**Wintry weather continues for much of the Region on Wednesday.**

**Isolated severe thunderstorms may occur late Wednesday night across SE LA.**

## Severe Weather Outlook



## Excessive Rainfall Outlook



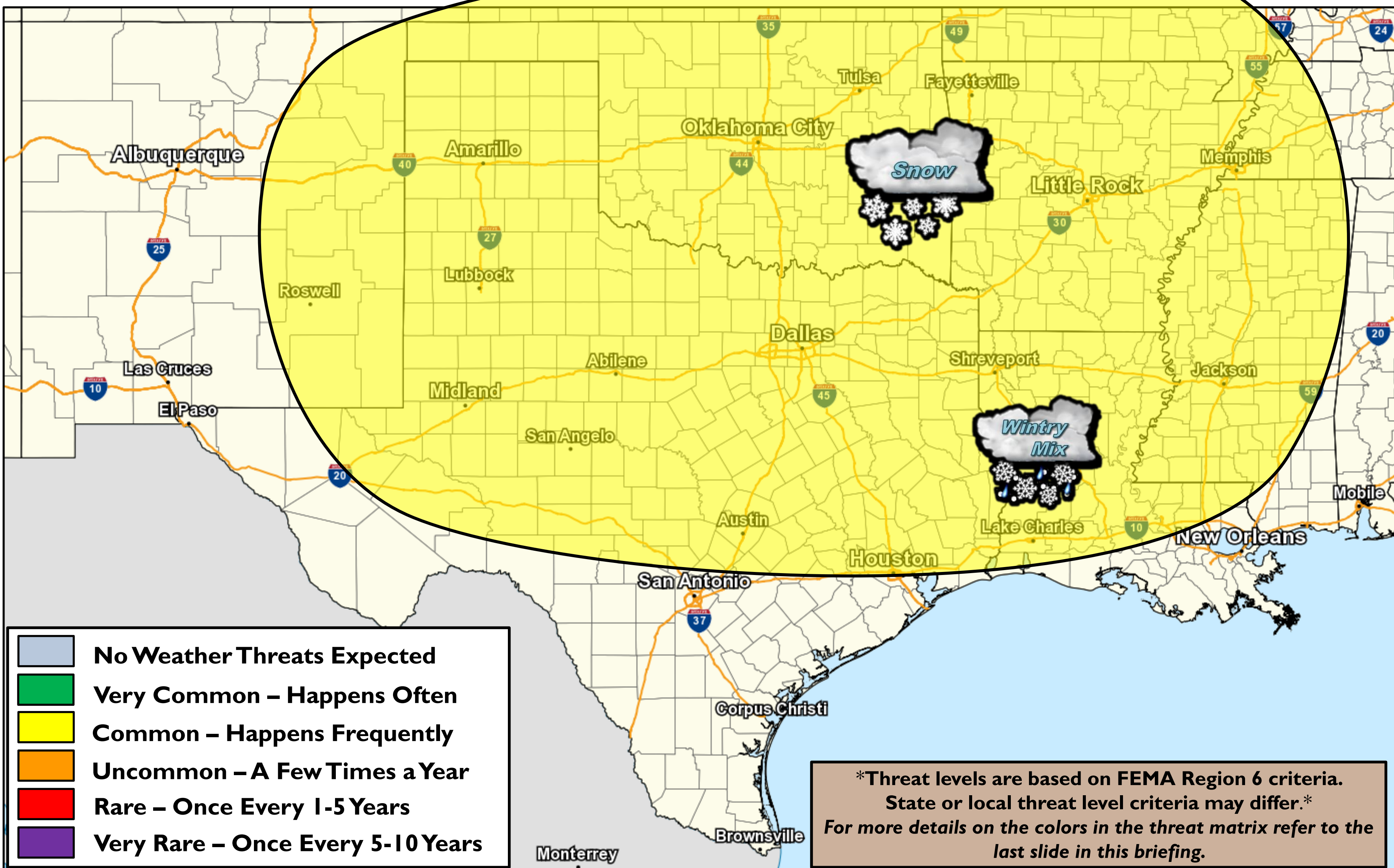
# Days 4-5 Weather Hazards

Thursday - Friday



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**Continued winter weather impacts for much of the Region on Thursday.**

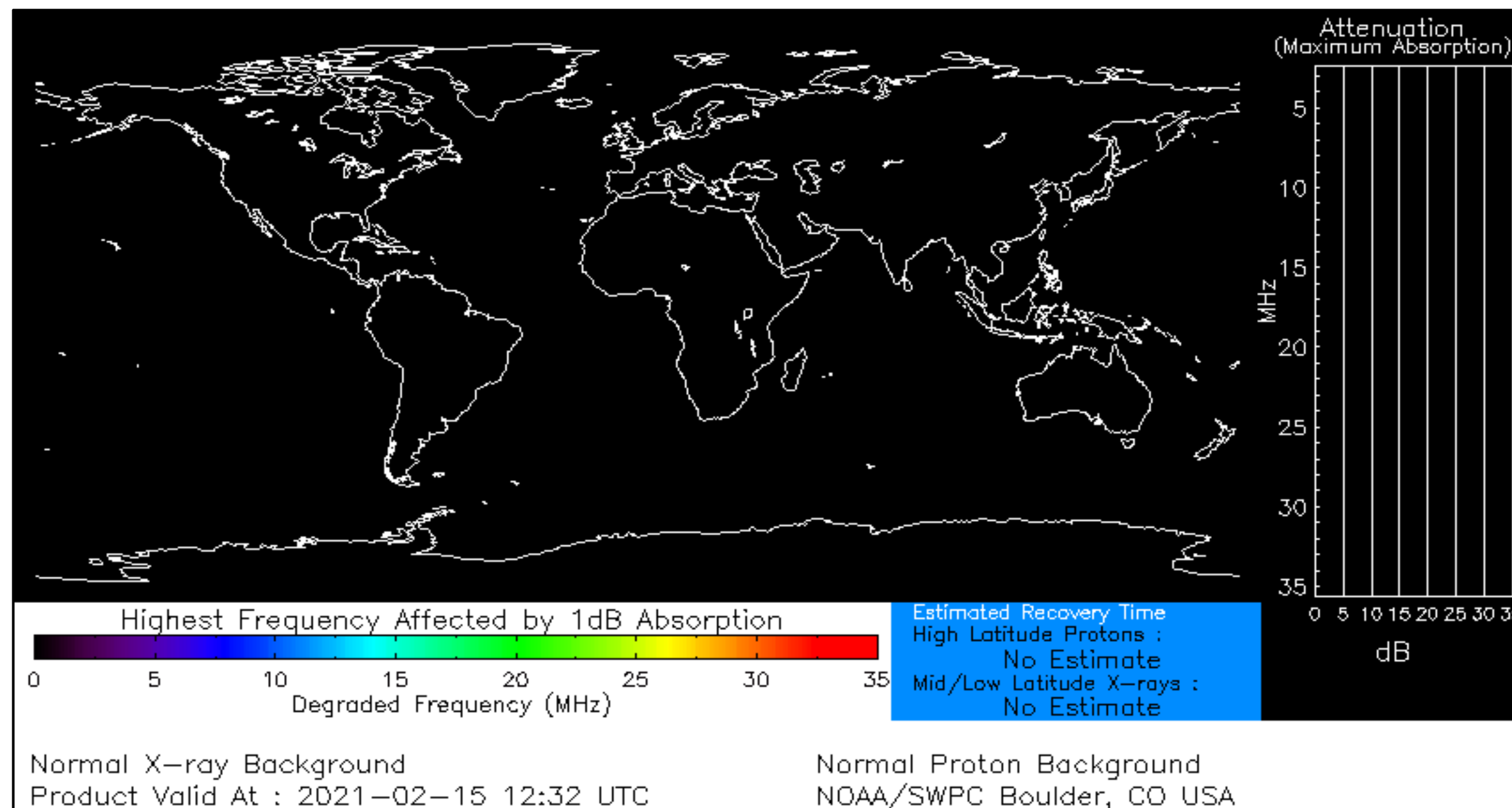


# Space Weather 3-Day Forecast



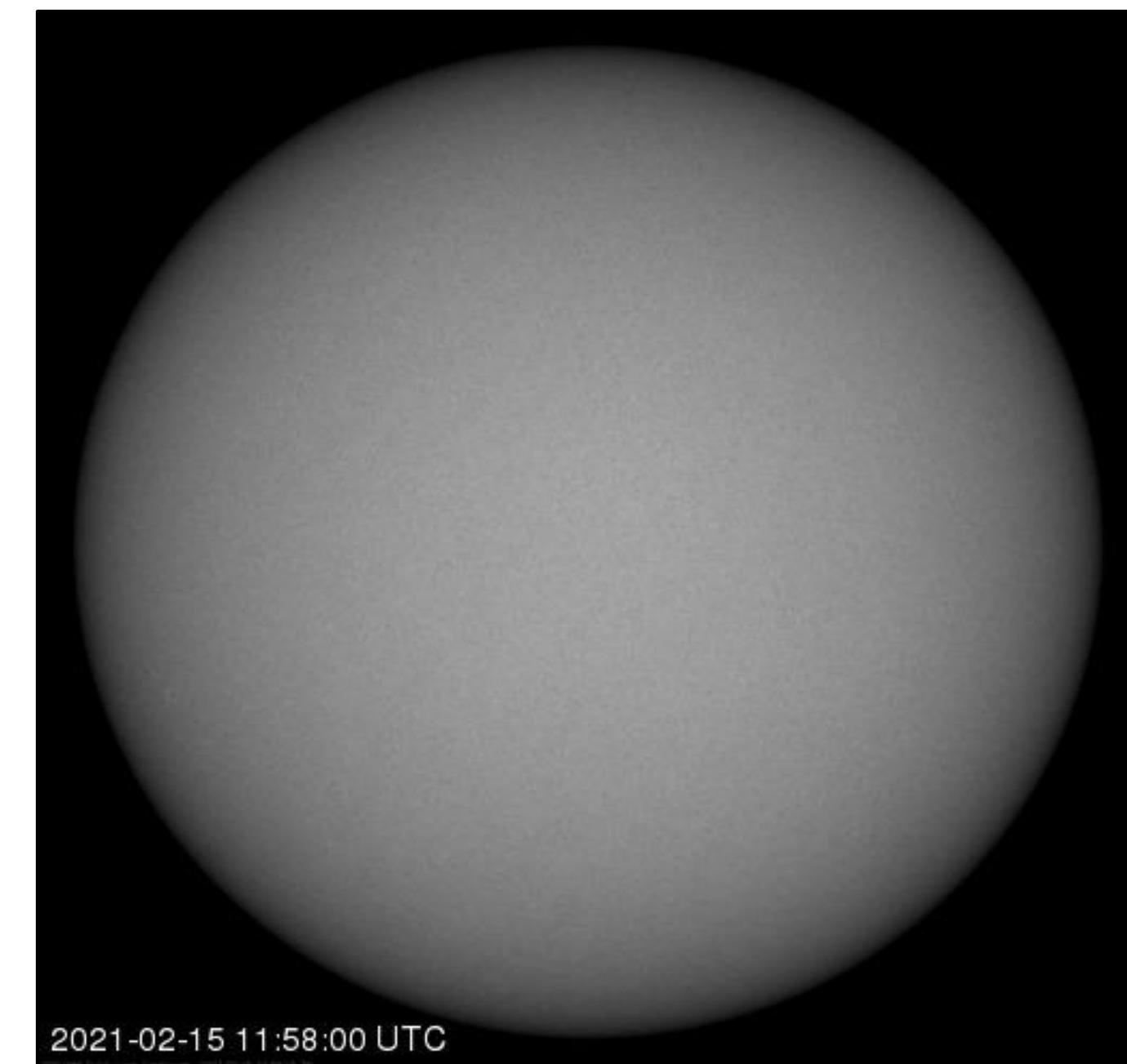
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	Monday	Tuesday	Wednesday
Geomagnetic Storms	Unsettled (Max Kp = 3)	Quiet (Max Kp = 2)	Quiet (Max Kp = 2)
Solar Radiation Storm (S1-S5)	1%	1%	1%
Radio Blackout (R1-R2)	1%	1%	1%
Radio Blackout (R3-R5)	1%	1%	1%



[Click here for a Description of the Space Weather Storm Scales](#)

[Click here for the Latest 3-Day Space Weather Forecast Text](#)





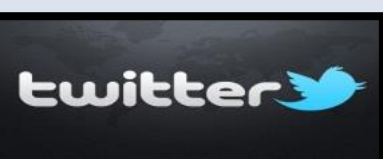
**For more information, please contact:**

**National Weather Service**  
**Southern Region Headquarters**  
**Regional Operations Center**  
**Fort Worth, TX**

**Phone: (682) 703-3747**

**E-mail: [sr-srh.roc@noaa.gov](mailto:sr-srh.roc@noaa.gov)**

**Web: <http://www.weather.gov/srh>**



Weather “Threat” Matrix			
Color	Definition	Criteria	Example(s)
Green	<b>Very Common</b> Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Little Inconvenience to Daily Routines	Severe: Marginal Risk from SPC Flooding: Minor flooding expected over localized areas Tropical: None Fire Weather: No Watches/Warnings, fuel moisture above 10% or green up active	<ul style="list-style-type: none"> <li>Thunderstorms expected over LA this afternoon; a few may produce winds to knock down a few trees</li> <li>Something that happens almost every day in a particular season such as <u>seabreeze</u> storms in coastal TX</li> </ul>
Yellow	<b>Somewhat Common – Happens Frequently</b> Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Some Inconvenience to Daily Life	Severe: Slight Risk from SPC Flooding: Nuisance flooded expected for a widespread area, or Minor flooding expected over isolated areas Tropical: A weak tropical wave expected to move towards or near any coastline Fire Weather: Red Flag Watches/Warnings and/or SPC outlines enhanced or critical fire outlook	<ul style="list-style-type: none"> <li>2-3 inches of rainfall expected over central AR today and tonight; some minor (brief) street flooding possible</li> <li>Scattered severe storms possible, one or two tornadoes expected, along with reports of strong winds/wind damage and ~1” hail</li> </ul>
Orange	<b>Uncommon – A Few Times a Year</b> Safety: Often Threatening to Life and Property, Some Damage Unavoidable Impact Potential: Typically Results in Minor Disruption to Daily Life	Severe: Enhanced Risk from SPC Flooding: Minor flooding expected over a widespread area (including urban locations), or Moderate flooding expected over isolated areas Tropical: A Tropical Storm expected to move towards or near any coastline Fire: Critical fire outlook for more than 2 consecutive days, Warnings for 2 or more consecutive days, D3-D4 drought conditions	<ul style="list-style-type: none"> <li>A snow/sleet mix is expected to move through or near the DFW area tomorrow morning; travel impacts likely</li> <li>Numerous severe storms possible, a few tornadoes possible along with several reports of wind damage along with damaging hail</li> <li>Some large fires reported, burn bans advertised, critical conditions expected</li> </ul>
Red	<b>Rare – Once every 1-5 Years</b> Safety: Extensive Property Damage Likely, Life Saving Actions Also will be Needed Impact Potential: Will likely result in Large Disruption to Daily Life	Severe: Moderate Risk from SPC Flooding: Moderate flooding expected over a widespread area (including urban locations) Tropical: A Hurricane expected to move towards or near any coastline Fire: Large areas of critical conditions for 2 or more days, Warnings for 3 or more days, Severe to extreme drought	<ul style="list-style-type: none"> <li>A Category 1 hurricane will be moving towards the NW Gulf in the next few days</li> <li>Widespread severe storms likely, strong tornadoes, widespread wind damage, and destructive hail</li> <li>Large fires ongoing throughout the area with critical fire weather conditions expected to continue</li> </ul>
Purple	<b>Very Rare – Once Every 5-10 Years</b> Safety: Property Damage Unavoidable, Immediate Action to Save Life will be Needed Impact Potential: Typically Results in Long-Lived Widespread Major Disruption to Daily Life	Severe: High Risk from SPC Flooding: Major flooding expected over a widespread area (including urban locations) Tropical: A Major Hurricane (Cat3 or greater) expected to move towards or near any coastline Fire: Large area of critical conditions for 2 or more days, Warnings for 3 or more days, Long term (months) of severe to extreme drought	<ul style="list-style-type: none"> <li>A Category 4 hurricane is headed towards the SE LA; major storm surge, flooding and damaging winds anticipated to begin tomorrow</li> <li>Widespread severe storms expected, tornado outbreak probable with long-lived, very widespread and particularly intense storms</li> </ul>

**Criteria for the color codes in this briefing is to the left, please provide any feedback to**

**[sr-srh.roc@noaa.gov](mailto:sr-srh.roc@noaa.gov)**